

A B S T R A C T

A SYSTEM FOR PROVIDING ASSISTANCE IN REGENERATING
DEPOLLUTION MEANS INTEGRATED IN AN EXHAUST LINE OF A
5 MOTOR VEHICLE DIESEL ENGINE

A system in which the depollution means (1) are
associated with oxidation catalyst-forming means (2), and
the engine (4) is associated with common manifold means
10 (7) for feeding it with fuel, and adapted to implement a
regeneration strategy in at least one operation of post-
injecting fuel into the cylinders, is characterized in
that it comprises: detector means (8) for detecting a
regeneration request (req.RG); detector means (9) for
15 detecting a state of the foot being raised on the vehicle
accelerator; temperature acquisition means (11) for
acquiring the temperature downstream from the catalyst-
forming means (2); means (8) for determining a maximum
quantity of fuel to be injected in the post-injection
20 operations during the period of returning to idling
following the foot being raised, and on the basis of said
temperature; and means (7, 8) for immediately
interrupting the post-injection operation as soon as the
quantity of fuel injected has reached the maximum
25 quantity.

30

35 Translation of the title and the abstract as published by the PCT Authorities,
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or
48.3.